

**National Interagency Coordination Center
Incident Management Situation Report
Friday, July 12, 2019 – 0530 MT
National Preparedness Level 2**

National Fire Activity

Initial attack activity:	Light (143) new fires
New large incidents:	9
Large fires contained:	3
Uncontained large fires:**	11
Area Command teams committed:	0
NIMOs committed:	1
Type 1 IMTs committed:	1
Type 2 IMTs committed:	3

Nationally, there are 53 large fires being managed under a strategy other than full suppression.

**Uncontained large fires include only fires being managed under a full suppression strategy.

[Link](#) to Geographic Area daily reports.

[Link](#) to Understanding the IMSR.

Five wildland fire suppression crews and one Interagency Resource Representative (IARR) are assigned to support large fires in Alberta, Canada.

Active Incident Resource Summary						
GACC	Incidents	Cumulative Acres	Crews	Engines	Helicopters	Total Personnel
AICC	24	662,603	55	32	24	2,140
NWCC	3	1,323	7	23	1	258
ONCC	1	410	0	0	0	4
OSCC	0	0	0	0	0	0
NRCC	0	0	0	0	0	0
GBCC	9	27,778	8	25	2	286
SWCC	18	159,536	8	26	8	561
RMCC	5	373	7	7	4	246
EACC	0	0	0	0	0	0
SACC	6	19,364	0	11	2	62
Total	66	871,389	85	124	41	3,557

Alaska Area (PL 5)

New fires:	16
New large incidents:	3
Uncontained large fires:	5
NIMOs Committed:	1
Type 1 IMTs Committed:	1
Type 2 IMTs Committed:	2

Shovel Creek, Fairbanks Area, Alaska DOF. IMT 1 (PNW Team 2). Twenty miles northwest of Fairbanks, AK. Timber and brush. Active fire behavior with short crown runs, isolated torching and short-range spotting. Numerous residences and communication infrastructure threatened. Evacuations have been lifted. Road and trail closures in effect.

Swan Lake, Kenai-Kodiak Area, Alaska DOF. IMT 2 (NW Team 13). Started on FWS land six miles northeast of Sterling, AK. Timber and short grass. Active fire behavior with torching. Numerous structures threatened. Area, road and trail closures in effect.

Montana Creek, Mat-Su Area, Alaska DOF. IMT 2 (NW Team 12). IMT is also managing the Malaspina incident. Started on private land 13 miles south of Talkeetna, AK. Timber. Minimal fire behavior with smoldering. Residences threatened.

Malaspina, Mat-Su Area, Alaska DOF. Started on private land 13 miles south of Talkeetna, AK. Timber. Minimal fire behavior with smoldering. Evacuations in effect. Numerous residences threatened.

Boundary River, Tok Area, Alaska DOF. NIMO (Portland). IMT is also managing the McArthur Creek incident. Started on Native Corporation land 37 miles southeast of Tok, AK. Timber and short grass. Minimal fire behavior with single-tree torching, creeping and smoldering. Residences threatened. Precipitation occurred over the fire area yesterday.

McArthur Creek, Tok Area, Alaska DOF. Twenty-five miles northeast of Northway, AK. Timber, brush and short grass. Minimal fire behavior with single-tree torching, creeping and smoldering. Structures threatened. Precipitation occurred over the fire area yesterday.

Bearnose Hill, Upper Yukon Zone, BLM. Started on Native Corporation land 10 miles southeast of Chalkyitsik, AK. Timber. Active fire behavior with short crown runs, short-range spotting and flanking. Structures threatened. Last narrative report unless significant activity occurs.

Frozen Calf, Upper Yukon Zone, BLM. Previously reported incident. Started on FWS land 25 miles northeast of Chalkyitsik, AK. Timber and hardwood litter. Active fire behavior with short crown runs, short-range spotting and flanking. Structures threatened. Last narrative report unless significant activity occurs.

Tractor Trail 2, Upper Yukon Zone, BLM. Previously reported incident. Started on state land 20 miles southwest of Chalkyitsik, AK. Timber. Active fire behavior with crowning, short-range spotting and running. Last narrative report unless significant activity occurs.

Tettjajik Creek, Upper Yukon Zone, BLM. Previously reported incident. Fifty-seven miles east of Chalkyitsik, AK. Timber. Active fire behavior with crowning, running and backing. Last narrative report unless significant activity occurs.

Hess Creek, Upper Yukon Zone, BLM. Previously reported incident. Started on state land 29 miles northeast of Steven's Village, AK. Timber and tall grass. Moderate fire behavior with isolated torching, creeping and smoldering. Structures threatened. Last narrative report unless significant activity occurs.

Chandalar River, Upper Yukon Zone, BLM. Previously reported incident. Started on FWS land five miles southwest of Venetie, AK. Timber. Moderate fire behavior with backing and creeping. Last narrative report unless significant activity occurs.

Bergman Creek, Tanana Zone, BLM. Previously reported incident. Twenty-eight miles southwest of Allakaket, AK. Timber and hardwood litter. Active fire behavior. Last narrative report unless significant activity occurs.

Hadweenzic River, Upper Yukon Zone, BLM. Previously reported incident. Started on FWS land 26 miles northeast of Beaver, AK. Timber. Active fire behavior with isolated torching, flanking and backing. Structures threatened. Last narrative report unless significant activity occurs.

Foraker, Tanana Zone, BLM. Previously reported incident. Started on NPS land 148 miles southwest of Fairbanks, AK. Timber. Active fire behavior. Last narrative report unless significant activity occurs.

Rainbow 2, Delta Area, Alaska DOF. Previously reported incident. Eighteen miles northwest of Delta Junction, AK. Timber. Moderate fire behavior with creeping. Last narrative report unless significant activity occurs.

Black River, Upper Yukon Zone, BLM. Previously reported incident. Fifty-three miles northeast of Circle, AK. Timber. Moderate fire behavior with flanking and backing. Last narrative report unless significant activity occurs.

* **Grouse Creek**, Tanana Zone, BLM. Nine miles northeast of Rampart, AK. Timber and hardwood litter. Active fire behavior with isolated torching and short-range spotting. Last narrative report unless significant activity occurs.

* **Dry Creek 2**, Military Zone, BLM. Twenty-four miles south of North Pole, AK. Timber and hardwood litter. Moderate fire behavior. Last narrative report unless significant activity occurs.

* **Tony Slough**, Upper Yukon Zone, BLM. Started on Native Corporation land eight miles northeast of Beaver, AK. Timber and short grass. Active fire behavior with isolated torching, creeping and smoldering. Structures threatened. Last narrative report unless significant activity occurs.

North River, Galena Zone, BLM. Previously reported incident. Thirty-two miles northeast of Koyuk, AK. Timber. Active fire behavior with running, torching and spotting. Last narrative report unless significant activity occurs.

Victoria Mountain, Upper Yukon Zone, BLM. Previously reported incident. Thirty-eight miles southeast of Beaver, AK. Timber and hardwood litter. Active fire behavior with short crown runs, short-range spotting and backing. Last narrative report unless significant activity occurs.

Wilderness, Tanana Zone, BLM. Previously reported incident. Sixty-four miles southwest of Manley Hot Springs, AK. Timber. Active fire behavior. Last narrative report unless significant activity occurs.

Little Crazy Mountain, Upper Yukon Zone, BLM. Previously reported incident. Started on FWS land 43 miles northwest of Central, AK. Timber and hardwood litter. Active fire behavior with short crown runs, short-range spotting and flanking. Last narrative report unless significant activity occurs.

Little Mud River, Tanana Zone, BLM. Previously reported incident. Started on FWS land 35 miles southwest of Tanana, AK. Timber. Extreme fire behavior with running and backing. Last narrative report unless significant activity occurs.

Marr, Upper Yukon Zone, BLM. Previously reported incident. Fifty miles west of Circle, AK. Timber. Active fire behavior with running, backing and creeping. Last narrative report unless significant activity occurs.

Three Castle, Upper Yukon Zone, BLM. Previously reported incident. Started on Native Corporation land 29 miles north of Eagle, AK. Timber and brush. Active fire behavior with short crown runs, short-range spotting and backing. Last narrative report unless significant activity occurs.

Snowshoe Creek, Tanana Zone, BLM. Previously reported incident. Started on state land 26 miles southwest of Baker, AK. Timber. Active fire behavior. Last narrative report unless significant activity occurs.

Biederman Bluff, Upper Yukon Zone, BLM. Previously reported incident. Started on FWS land 129 miles northeast of Delta Junction, AK. Timber. Active fire behavior with short-range spotting, isolated torching and backing. Residences threatened. Last narrative report unless significant activity occurs.

Caribou Creek, Fairbanks Area, Alaska DOF. Twenty miles northeast of North Pole, AK. Timber and tall grass. No new information.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Shovel Creek	AK-FAS	23,734	4,127	15	Ctn	7/30	739	-82	18	20	7	0	16.5M	ST
Swan Lake	AK-KKS	100,027	0	50	Comp	8/31	423	73	9	6	6	0	15.5M	FWS
Montana Creek	AK-MSS	367	0	45	Ctn	7/16	160	17	3	5	1	0	1.9M	PRI
Malaspina	AK-MSS	85	0	40	Ctn	7/16	72	-4	3	0	0	3	900K	PRI
Boundary River	AK-TAS	17,605	0	0	Ctn	7/25	151	-14	4	0	3	0	3.1M	TRI
McArthur Creek	AK-TAS	24,086	0	0	Comp	7/30	1	-10	0	0	0	1	121K	ST
Bearnose Hill	AK-UYD	41,880	5,536	0	Comp	7/31	9	-70	0	0	0	0	350K	TRI
Frozen Calf	AK-UYD	117,032	7,032	0	Comp	7/31	0	-30	0	0	0	0	367K	FWS
Tractor Trail 2	AK-UYD	26,848	16,793	0	Comp	7/31	0	0	0	0	0	0	375K	ST
Tettjajik Creek	AK-UYD	16,513	15,313	0	Comp	7/31	0	0	0	0	0	0	2K	BLM
Hess Creek	AK-UYD	159,425	9,997	0	Comp	7/31	55	-1	0	0	1	3	1.1M	ST
Chandalar River	AK-UYD	9,108	1,216	0	Comp	7/31	91	22	4	0	0	0	636K	FWS
Bergman Creek	AK-TAD	42,000	25,500	0	Comp	7/31	19	0	0	0	1	0	316K	BLM
Hadweenzic River	AK-UYD	39,029	4,185	0	Comp	7/31	30	0	1	0	0	0	484K	FWS
Foraker	AK-TAD	45,000	33,030	0	Comp	7/31	6	0	0	0	1	0	129K	NPS
Rainbow 2	AK-DAS	9,200	4,200	0	Comp	12/31	16	1	0	0	0	0	130K	ST
Black River	AK-UYD	36,577	3,918	0	Comp	7/31	0	-10	0	0	0	0	260K	BLM
* Grouse Creek	AK-TAD	2,000	---	0	Comp	7/31	17	---	0	0	0	0	NR	BLM
* Dry Creek 2	AK-MID	506	---	0	Comp	10/15	0	---	0	0	0	0	NR	BLM
* Tony Slough	AK-UYD	300	---	0	Comp	7/31	8	---	0	0	0	0	1K	TRI
North River	AK-GAD	91,275	7,729	0	Comp	9/1	0	0	0	0	0	0	40K	BLM
Victoria Mountain	AK-UYD	6,886	5,008	0	Comp	7/31	0	0	0	0	0	0	73K	BLM
Wilderness	AK-TAD	36,510	24,510	0	Comp	7/31	0	0	0	0	0	0	6K	BLM
Little Crazy Mountain	AK-UYD	34,120	16,135	0	Comp	7/31	0	0	0	0	0	0	2K	FWS
Little Mud River	AK-TAD	30,000	29,796	0	Comp	7/31	0	0	0	0	0	0	5K	FWS
Marr	AK-UYD	17,370	3,370	0	Comp	7/31	0	0	0	0	0	0	13K	BLM
Three Castle	AK-UYD	2,746	2,221	0	Comp	7/31	0	0	0	0	0	0	2K	TRI
Snowshoe Creek	AK-TAD	1,900	1,511	0	Comp	7/31	0	0	0	0	0	0	6K	ST
Biederman Bluff	AK-UYD	1,834	1,626	0	Comp	7/31	0	0	0	0	0	0	12K	FWS
Caribou Creek	AK-FAS	257	---	95	Ctn	7/13	20	---	0	0	2	0	4.6M	ST

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Lloyd Mountain	AK-TAD	19,377	881	0	Comp	7/31	20	-20	1	0	0	0	696K	ST
Beaver	AK-MID	12,960	0	0	Comp	7/31	17	0	0	0	0	0	128K	PRI
Yukon Charley	AK-UYD	1,637	588	0	Comp	7/31	8	8	0	0	0	0	32K	NPS
Hidden Creek	AK-SWS	300	0	0	Comp	7/24	23	1	1	0	0	0	81K	ST
Old Grouch Top	AK-SWS	55,931	---	0	Comp	7/31	0	---	0	0	0	0	24K	ST
Hurst Creek	AK-SWS	39,180	---	0	Comp	7/31	0	---	0	0	0	0	187K	ST
Nugget Creek	AK-FAS	6,937	---	0	Comp	10/1	5	---	0	0	0	0	73K	ST
Little Kasigluk	AK-SWS	3,782	---	0	Comp	8/8	0	---	0	0	0	0	1K	FWS
South Fork Buckland River	AK-GAD	3,237	---	0	Comp	9/30	0	---	0	0	0	0	10K	BLM
Kugruk River 1	AK-GAD	2,707	---	0	Comp	9/1	0	---	0	0	0	0	15K	BLM
Page Mountain	AK-SWS	2,482	---	0	Comp	7/31	0	---	0	0	0	0	42K	ST
Buckland 3	AK-GAD	2,338	---	0	Comp	9/30	0	---	0	0	0	0	NR	BLM
Kateel River	AK-GAD	1,887	---	0	Comp	9/1	0	---	0	0	0	0	NR	BLM
Koyuk River	AK-GAD	892	---	0	Comp	9/30	0	---	0	0	0	0	NR	BLM
East Fork Dennison	AK-TAS	400	---	0	Comp	7/30	0	---	0	0	0	0	3K	ST
Bakbuk Creek	AK-SWS	776	---	0	Comp	UNK	0	---	0	0	0	0	2K	ST

SWS – Southwest Area, Alaska DOF

Southwest Area (PL 3)

New fires: 23
 New large incidents: 1
 Uncontained large fires: 1
 Type 2 IMTs Committed: 1

Miller, Coronado NF. Transfer of command from IMT 2 (SW Team 4) back to the local unit will occur today. Seven miles west of Cloverdale, NM. Timber and brush. Minimal fire behavior.

Pine Lodge, Lincoln NF. Five miles northwest of Arabella, NM. Timber and short grass. Minimal fire behavior. Area, road and trail closures in effect.

* **Shelley**, Gila NF. Fourteen miles north of Gila, NM. Timber and short grass. Minimal fire behavior. Last narrative report unless significant activity occurs.

Incident Name	Unit	Size		%	Ctn/Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Miller	AZ-CNF	5,761	0	90	Comp	7/15	126	-101	0	5	2	0	4M	FS
Pine Lodge	NM-LNF	15,044	0	65	Ctn	8/1	4	0	0	1	0	3	6.4M	FS
* Shelley	NM-GNF	134	---	20	Comp	9/30	0	---	0	0	0	0	3K	FS
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Whiting	AZ-ASF	2,280	0	70	Comp	7/18	50	0	2	2	0	0	130K	FS
Naranjo	NM-SNF	1,000	250	50	Comp	9/1	100	-23	2	3	1	0	540K	FS

Northern California Area (PL 2)

New fires: 23
 New large incidents: 0
 Uncontained large fires: 0

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
East	CA-MNF	410	0	95	Comp	7/31	4	-36	0	0	0	0	1.7M	FS

MNF – Mendocino NF

Northwest Area (PL 1)

New fires: 3
 New large incidents: 0
 Uncontained large fires: 1

Blue Ridge, Malheur NF. Twenty-four miles southwest of John Day, OR. Timber. Minimal fire behavior with smoldering and creeping. Road closures in effect.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
Blue Ridge	OR-MAF	667	0	75	Ctn	7/12	125	0	4	9	1	0	593K	FS

Rocky Mountain Area (PL 1)

New fires: 6
 New large incidents: 1
 Uncontained large fires: 1

* **Reveille**, Pike-San Isabel NF. Ten miles north of Gardner, CO. Timber and brush. Moderate fire behavior with smoldering and creeping. Road, area and trail closures in effect. Precipitation occurred over the fire area yesterday.

Incident Name	Unit	Size		%	Ctn/ Comp	Est	Personnel		Resources			Strc Lost	\$\$ CTD	Origin Own
		Acres	Chge				Total	Chge	Crw	Eng	Heli			
* Reveille	CO-PSF	218	---	5	Ctn	7/31	30	---	0	1	0	0	2.5M	FS
Large Fires Being Managed With a Strategy Other Than Full Suppression Without a Type 1 or 2 IMT Assigned														
Doe Canyon	CO-SJF	2,560	0	100	Comp	---	1	-29	0	0	0	0	477K	FS

SJF – San Juan NF

Fires and Acres Yesterday (by Protection):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	2	0	0	14	0	16
	ACRES	0	23,206	0	0	11,273	0	34,479
Northwest Area	FIRES	0	1	0	1	0	1	3
	ACRES	0	1	0	0	0	0	1
Northern California Area	FIRES	0	0	0	0	16	7	23
	ACRES	0	0	0	0	6	1	7
Southern California Area	FIRES	0	0	0	0	16	2	18
	ACRES	0	0	0	0	0	1	1
Northern Rockies Area	FIRES	0	1	0	0	4	0	5
	ACRES	0	0	0	0	0	0	0
Great Basin Area	FIRES	1	13	0	0	13	8	35
	ACRES	0	392	0	0	23	379	794
Southwest Area	FIRES	2	0	0	0	0	21	23
	ACRES	46	0	0	0	0	788	835
Rocky Mountain Area	FIRES	0	3	0	0	2	1	6
	ACRES	0	320	0	0	0	4	324
Eastern Area	FIRES	0	0	0	0	0	0	0
	ACRES	0	0	0	0	0	0	0
Southern Area	FIRES	8	0	1	0	5	0	14
	ACRES	4	0	0	0	3	0	7
TOTAL FIRES:		11	20	1	1	70	40	143
TOTAL ACRES:		50	23,920	0	0	11,305	1,173	36,450

Fires and Acres Year-to-Date (by Protection):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	148	0	0	245	22	415
	ACRES	0	760,516	0	0	583,226	6	1,343,748
Northwest Area	FIRES	194	45	7	6	519	185	956
	ACRES	3,557	19,478	83	1	2,264	1,534	26,918
Northern California Area	FIRES	11	8	2	2	1,053	130	1,206
	ACRES	11	287	0	1	9,818	879	10,996
Southern California Area	FIRES	8	49	6	5	1,678	149	1,895
	ACRES	17	102	2,566	5	11,841	938	15,469
Northern Rockies Area	FIRES	495	12	10	2	253	103	875
	ACRES	4,879	133	1,424	0	6,142	684	13,263
Great Basin Area	FIRES	10	211	0	12	289	83	605
	ACRES	17	28,580	0	8	4,666	2,443	35,714
Southwest Area	FIRES	424	113	7	12	376	399	1,331
	ACRES	18,750	5,548	11	1,138	16,250	209,151	250,848
Rocky Mountain Area	FIRES	104	95	1	6	205	104	515
	ACRES	791	523	5,048	29	13,249	6,118	25,758
Eastern Area	FIRES	301	0	8	29	2,815	241	3,394
	ACRES	569	0	52	520	25,154	5,542	31,837
Southern Area	FIRES	196	0	30	39	10,348	199	10,812
	ACRES	22,133	0	1,138	2,152	160,664	13,008	199,096
TOTAL FIRES:		1,743	681	71	113	17,781	1,615	22,004
TOTAL ACRES:		50,725	815,168	10,322	3,854	833,275	240,306	1,953,652

Ten Year Average Fires (2009 – 2018 as of today)	33,179
Ten Year Average Acres (2009 – 2018 as of today)	2,965,975

***Changes in some agency YTD acres reflect more accurate mapping or reporting adjustments.

***Additional wildfire information is available through the Geographic Areas at <https://gacc.nifc.gov/>

Prescribed Fires and Acres Last Week (by Ownership):

Area		BIA	BLM	FWS	NPS	ST/OT	USFS	TOTAL
Alaska Area	FIRES	0	0	0	0	0	0	0
	ACRES	0	0	0	0	0	0	0
Northwest Area	FIRES	1	0	0	0	0	0	1
	ACRES	200	0	0	0	0	0	200
Northern California Area	FIRES	0	0	0	0	0	1	1
	ACRES	0	0	0	0	0	3	3
Southern California Area	FIRES	0	0	0	1	0	0	1
	ACRES	0	0	0	299	0	92	391
Northern Rockies Area	FIRES	0	0	0	0	0	0	0
	ACRES	0	0	0	0	0	0	0
Great Basin Area	FIRES	0	0	0	0	0	1	1
	ACRES	0	0	0	0	0	5	5
Southwest Area	FIRES	0	0	0	0	0	0	0
	ACRES	0	0	0	0	0	71	71
Rocky Mountain Area	FIRES	0	0	0	0	0	3	3
	ACRES	0	0	0	0	0	1,250	1,250
Eastern Area	FIRES	0	0	0	0	0	4	4
	ACRES	0	0	0	0	0	240	240
Southern Area	FIRES	0	0	0	0	376	0	376
	ACRES	0	0	0	0	1,835	0	1,835
TOTAL FIRES:		1	0	0	1	376	9	387
TOTAL ACRES:		200	0	0	299	1,835	1,661	3,995

***Prescribed fire acres are for reference only and may not reflect the most up-to-date information.

***Official prescribed fire accomplishment reporting occurs through agency specific systems of record.

Canadian Fires and Hectares

PROVINCES	FIRES YESTERDAY	HECTARES YESTERDAY	FIRES YEAR-TO-DATE	HECTARES YEAR-TO-DATE
BRITISH COLUMBIA	8	0	544	12,068
YUKON TERRITORY	5	5,235	72	171,255
ALBERTA	1	0	722	802,392
NORTHWEST TERRITORY	0	0	47	5,150
SASKATCHEWAN	0	0	167	2,378
MANITOBA	4	5,605	189	75,078
ONTARIO	5	35,498	225	265,804
QUEBEC	5	153	153	6,386
NEWFOUNDLAND	0	0	60	83
NEW BRUNSWICK	0	0	123	166
NOVA SCOTIA	0	0	90	104
PRINCE EDWARD ISLAND	0	0	1	9
NATIONAL PARKS	29	588	29	588
TOTALS	57	47,079	2,422	1,341,460

*1 Hectare = 2.47 Acres

Predictive Services Discussion: High pressure over the Alaskan Interior will strengthen and will allow for moisture to feed well into the Interior. While some lightning is expected, wetting rainfall will accompany storms. Despite moisture, new fire starts are possible. In the Southwest, the Four Corners high pressure will remain strong and will allow for the weak surges of monsoonal moisture to feed into the region and into the Great Basin. Weak onshore flow will continue along the West Coast except near Santa Barbara where light offshore flow will develop. Showers and storms will continue across the Deep South and along the Mid-Atlantic Coast as a frontal boundary hangs up.

<http://www.predictiveservices.nifc.gov/outlooks/outlooks.htm>



Heat Disorders

Firefighter Health & First Aid

Heat becomes a problem when humidity, air temperature, and radiant heat combine with hard work to raise body temperature beyond safe limits. Sweat is your main defense. Everyone on the fireline must understand the importance of drinking water often.

- Heat disorders are a group of illnesses caused by prolonged exposure to hot temperatures, restricted fluid intake, or failure of the body's ability to regulate its temperature. The general term used for heat disorders is hyperthermia (pronounced hi-per-THUR-mee-uh). The three most common forms of hyperthermia are
 - Heat cramps
 - Heat exhaustion
 - Heat stroke
- Heat cramps are the least serious form of hyperthermia. They are the first sign that the body is having difficulty with increased temperature. Heat cramps are a warning sign that more serious problems may soon develop.
- Heat exhaustion is more serious than heat cramps. Heat exhaustion results when the body produces more heat than it can dissipate. Or the body may become dehydrated, or its temperature regulation system may begin to fail. Heat exhaustion is characterized by:
 - Weakness
 - Extreme fatigue
 - Nausea
 - Headaches
 - Wet, clammy skin
 - Urine dark yellow or orange

Mental confusion may develop (This is a serious trigger point of the onset of Heat stroke).

- The first steps in treating any form of hyperthermia include:
 - Moving the patient to a cooler location.
 - Providing the patient with cool water.
 - Giving the patient liquids that contain electrolytes.

Electrolytes are chemicals that occur naturally in the body and that maintain the proper balance of fluids in the body. The usual liquids given a patient are sports drink such as Gatorade.

Heat exhaustion results when the body produces more heat than it can dissipate. Inadequate fluid intake is a major contributing factor. Treat heat exhaustion by resting in a cool environment, by removing clothing so that one's sweat can evaporate, and by replacing fluids and electrolytes.

Prompt treatment of heat cramps and heat exhaustion is usually successful. Patients recover in a matter of hours or, at most, a day or two. Heat stroke poses more serious problems.

- Heat stroke is a medical emergency. Heat stroke is caused by failure of the body's heat controls. Sweating stops and the body temperature rises. Brain damage and death may result if treatment is delayed. Begin rapid cooling with ice or cold water, fanning the victim to promote evaporation. For rapid cooling, partially submerge the victim's body in cool water. Treat for shock if necessary. Provide oxygen if it is available. Whereas heat cramps and heat exhaustion may be treated locally, heat stroke patients should be medivaced off the line ASAP, by air if possible, as their condition may worsen suddenly. (Was repetitive)
- Although classic teaching describes a heat stroke patient as "hot and dry", recent studies have shown that over 50% of heat stroke patients are sweating heavily. Typically, on the fireline we do not have medical thermometers. Therefore, the hallmark of heat stroke is altered mental status. You should suspect heat stroke if a firefighter is hot, fatigued, and shows some altered mental status, such as inability to remember the day or the current situation. They may ask, "Where am I?"
- Heat stroke is characterized by:
 - Hot, often dry skin
 - Body temperature above 105.8 degrees Fahrenheit
 - Mental confusion
 - Loss of consciousness, convulsions, or even coma
- Heat stroke is a medical emergency. Brain damage and death may result if treatment is delayed. Begin rapid cooling with ice or cold water, fanning the victim to promote evaporation. For rapid cooling, partially submerge the victim's body in cool water. Treat for shock if necessary. Provide oxygen if it is available. Whereas heat cramps and heat exhaustion may be treated locally, heat stroke patients should be medivaced off the line ASAP, by air if possible, as their condition may worsen suddenly.
- You can prevent the serious consequences of heat disorders by improving your level of fitness and becoming acclimated to the heat. Maintaining a high level of aerobic fitness is one of the best ways to protect against heat stress. The fit worker has a well-developed circulatory system and increased blood volume. Both are important to regulate body temperature. Fit workers start to sweat sooner, so they work with a lower heart rate and body temperature. They adjust to the heat twice as fast as the unfit worker.

Resources:

[Interagency Standards for Fire and Fire Aviation Operations](#)

[Fitness and Work Capacity--Second Edition](#)

<http://www.fags.org/health/Sick-V2/Heat-Disorders.html>

[Incident Response Pocket Guide](#)

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